

METHOD AND SYSTEM FOR
FORMING CUSTOM SHOE INSOLES

ABSTRACT OF THE DISCLOSURE

The present invention includes a method for forming a custom-made insole including the step of positioning a foot to be measured on a scanning station.. The scanning station includes at least one laser unit which is passed along an undersurface of the foot. The undersurface of the foot is scanned by the at least one laser scanning unit which measures the detected surface coordinates of the undersurface. The measured surface coordinates are processed and transmitted to a computer. A milling station, in communication with the scanning station and computer, includes a milling assembly for forming the custom-made insole. The computer controls the operation of the milling assembly based upon the coordinates determined by the at least one laser scanning unit.

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